Advanced business platform

The Shuttle XPC Barebone SN68SG2 with NVIDIA® GeForce 7025 chipset is designed to support the latest 65nm AM2 multi-core processors and the integrated 3D graphics engine supports the breathtaking Windows Aero™ 3D visual interface of Windows Vista. With 7.1 audio, Gigabit LAN, SATA 3 Gb/s and low noise heat-pipe cooling engine this barebone is a great choice for an advanced business PC.

Glamor xpc Barebone

SN68SG2

Feature Highlight

G2 chassis	• Aluminum chassis (black) • Bays: 1x 5.25“, 2x 3.5“
Chipset	• NVIDIA chipset: GeForce 7025, nForce 630a • Integrated DirectX9 graphics 256MB shared memory
CPU	• Socket AM2 • Supports AMD Sempron, Athlon 64 and Athlon 64 X2 processors • Supports 1 GHz HyperTransport • Shuttle I.C.E. Heatpipe-cooling
Slots	• 1x PCI-Express (x16) • 1x PCI (32 Bit)
Memory	• Supports 2x DDR2-533/667/800 • Supports up to a total size of 4 GB
Drive connectors	• 2x Serial-ATA 3 Gb/s, RAID • 2x External Serial-ATA (eSATA) • 1x IDE ATA 133, 1x floppy
Other connectors	• 8-channel HD audio • 2x Firewire • USB 2.0 (2x front, 4x rear, 4x onb.) • GigaBit LAN
Power supply	• Efficient 250 Watt mini power supply
Application	• Business

Prduct ID: SN68SG2
Order No: PC-SN68SG2
UPC (see bar code)

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VISTA DDR2 Over Clocking 7.1 AUDIO Smart Fan ICE Technology

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Shuttle XPC Barebone SN68SG2 – Special Product Features

The Shuttle XPC Glamor series is the keyword in artistic design from Shuttle.

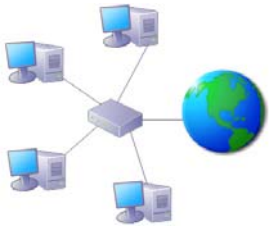
There are different chassis designs to choose from. No matter whether it's for use in the home or the office, for high adrenaline or laid back users, there is a Shuttle XPC in the Glamor series to suit every taste. The front panel and cover of the classic G2 chassis is completely made of aluminum. This leads to a stylish-robust appearance and makes it to a popular design for many users. The drive bays and media connectors are open which makes them easy accessible in the daily usage.

Supports Windows Vista Premium

Breathtaking Windows Aero™ 3D visual interface and a host of groundbreaking new features, Windows® Vista™ Premium promises to deliver a streamlined computing experience designed to fundamentally change how users view, find and organize their digital information.

NVIDIA GeForce 7025 + nForce 630 chipset

The integrated NVIDIA® GeForce® 7-Series graphics processor delivers best-in-class 3D performance and leading graphics compatibility to play top games the way they are meant to be played.



Gigabit LAN Network

Today's media-rich communications across the Internet and within organizations are creating new demands on clients in Local Area Networks (LANs). For that reason Shuttle introduces the Gigabit LAN performance even in the business and entry level segment of their XPC line.

Overclocker-Features *)

The user can easily overclock the system through the bios by modifying clock frequency and votage settings of CPU, chipset, memory and PCI-Express.

Solid Capacitors

The new generation of solid capacitors is used in the temperature sensitive part of the CPU voltage regulator. The lifespan of solid capacitors is in fact up to six times longer than the more common electrolytic capacitors.

Color slots design

Easily recognize color codes provides an easier way to install the devices such as Power switch, USB, PCI-E, PCI, DDR2.

***) Overclocking Warning:**
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. Shuttle is not responsible for possible damage caused by overclocking.

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Shuttle XPC Barebone SN68SG2 Specification

Chassis	G2-type aluminum chassis, black color storage bays: 1 x 5.25", 2 x 3.5" (1 internal) dimensions: 30 x 20 x 18.5 cm (LWH), weight: 3.3 kg net / 4.6 kg gross
Mainboard	Shuttle FN68S, Shuttle form factor Proprietary mainboard design for Shuttle XPC Barebone SN68SG2 Chipset: NVIDIA GeForce 7025 and nForce 630a (Codename: MCP 68S) Dimensions: 25.4 x 18.5 cm
Power Supply	250 Watt mini power supply unit Input voltage range: 100~240V Connectors: 20-pin ATX, 4-pin ATX12V Dimensions: 190 (L) x 82 (W) x 43 (H) mm EMI certified: FCC, CE, BSMI, CCC Safety certified: UL, TÜV, CB, BSMI, CCC Active PFC (Power Factor Correction)
Processor Support	Supports AMD Processors with AM socket: AMD Sempron, AMD Athlon 64 and AMD Athlon 64 X2 processors 1 GHz HyperTransport Technology x16 Up/Down Please refer the support list for detailed processor support information.
*Overclocking *)*	User friendly overclocking features: Clock frequency: CPU, Memory, PCI-Express Voltage: CPU, Memory, PCI-Express, Chipset
Processor Cooling	Shuttle I.C.E. (Integrated Cooling Engine) advanced I.C.E. Heatpipe technology, linear controlled 92mm fan SilentX cooling and noise reduction technology with Active Airflow
Memory Support	2 x 240 pin slots, supports Dual Channel supports DDR2-533/667/800 SDRAM unbuffered memory (up to DDR2-1066 in overclocking mode*) up to a total size of 4 GB, max. 2 GB per DIMM
Expansion Slots	1x PCI-Express (16X) supports 8 GB/s data transfer 1x PCI (32 bit)
Integrated Graphics	Integrated graphics engine NVIDIA GeForce 7025 Supports shader model 3.0 vertex/pixel processor NVIDIA CineFX 3.0 architecture, NVIDIA Itellisample AA technology DirectX 9 support, Shared/Dynamic graphics memory: max. 256MB 15-pin Sub-D VGA output

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8-channel Audio	7.1 channel High Definition Audio, Realtek ALC888 codec High-performance 103dB SNR quality Playback sampling rates up to 96 kHz Analog: line-out (8-ch), line-in, microphone Digital (optional): optical S/PDIF input/output (Shuttle XPC Accessory PC17)
Gigabit-LAN Controller	Marvell 88E1116 Ethernet network controller (Gigabit PNY) PCI Express x1 interface Supports 100 / 1.000 MBit/s operation Supports Wake-on-LAN (WOL)
Firewire-Controller	Firewire controller TI TSB43AB22A IEEE1394 OHCI V1.0 compliant with 2 Firewire connectors (front and rear) supports 400Mb/s, 200Mb/s, 100Mb/s data transfer rate
Drive connectors	2x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth, supports NCQ 2x external Serial ATA (eSATA) Supports RAID operating modes: 0, 1, 0+1, 5, JBOD 1x IDE UltraDMA 133 drives 1x floppy disk drive
Front panel connectors	Microphone Headphone (Line-out) 2x USB 2.0 Firewire (Mini 4 pin connector) Power button Reset button Power indicator (blue LED) HDD indicator (orange LED)
Back panel connectors	Sub-D VGA 4x USB 2.0 2x External Serial ATA (eSATA) GigaBit LAN (RJ45) IEEE1394 Firewire (6 pin) 8-ch Audio line-out (2x rear/front, bass/center, surround/back) Audio Line-in CMOS button optional optical S/PDIF input/output (PC17) optional Wireless LAN module (PN18) optional parallel port (PC8)
Other onboard connectors	2x fan connectors (4 pin) 4x USB 2.0 (two 2x5 pins) Header for optional PS10 adapter (this adapter can be installed in the printer port perforation in the back panel and provides PS/2 keyboard and mouse ports)

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Accessories	Multi-language installation guide Driver CDROM for Windows XP/Vista (32/64 bit) Cable for FDD (1x), SATA (1x), PATA (1x) Power cord, Screws, Heatsink Compound

***) Overclocking Warning**

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